

42–228 Removal and installation of brake disc on rear axle**Data**

Thickness of brake disc	10
Wear limit	8.3
Brake disc dia.	279 ± 0.2
Fitted bore dia.	$\frac{67.00}{67.05}$
ID for parking brake	160 ± 0.2
Lateral runout	max. 0.12

Lubricant

Molykote Paste U	Molykote Paste G Rapid	Liqui Moly Paste 36
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Tightening torque

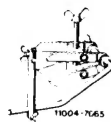
Nm

Self-locking hex. bolt for attaching caliper
to wheel carrier of rear axle

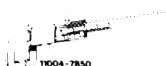
90

Special tools

Measuring device for concentricity of brake disc



001 589 63 21 00

Slide gauge for measuring
thickness of brake disc

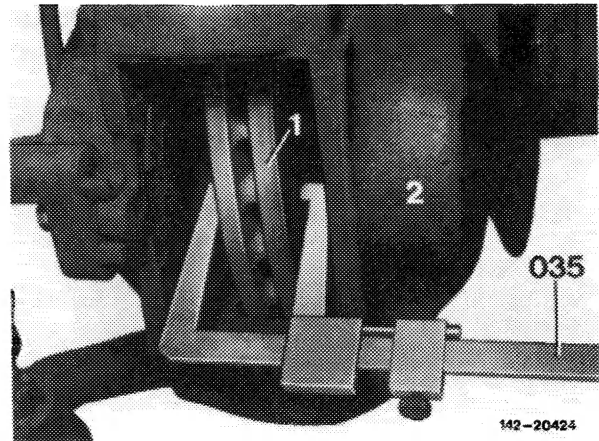
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Note

When checking, proceed as follows:

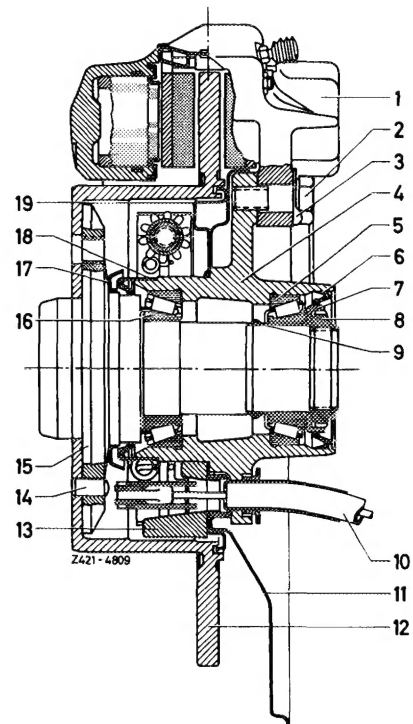
- a) Measure thickness of brake disc between cover plate and caliper, or with brake pads removed, in inspection hole by means of slide gauge.
- b) Check visually.

If cracks are rather large (not measurable), if score marks are deeper than 0.5 mm and when wear limit is attained, replace brake discs.

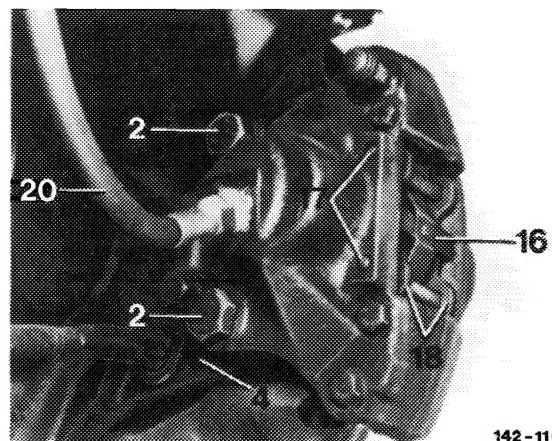


Removal

- 1 Caliper
- 2 Self-locking hex. bolt
- 4 Wheel carrier
- 5 Inside tapered roller bearing
- 6 Radial sealing ring
- 7 Sealing ring
- 8 Slot nut
- 9 Spacing sleeve
- 10 Brake cable control
- 11 Cover plate
- 12 Brake disc
- 13 Brake carrier
- 14 Fitted pin
- 15 Rear axle shaft flange
- 16 Outside tapered roller bearing
- 17 Dust cap
- 18 Radial sealing ring
- 19 Cover ring

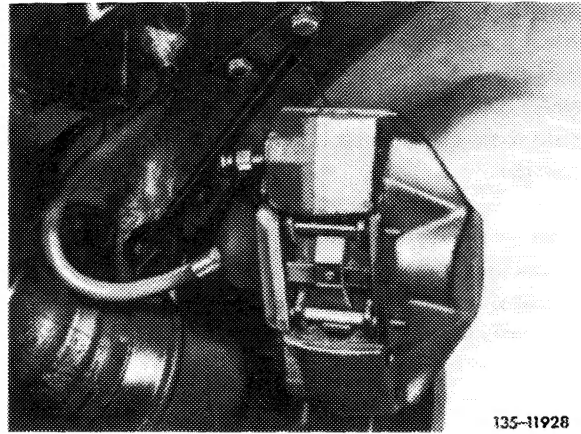


- 1 Unscrew hex. bolts (2) and remove caliper from wheel carrier (4).



2 Attach caliper and brake hose to torsion bar by means of a suitable hook.

Note: The hook must be self-made. **Do not subject brake hose to tensile stress.**



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3 Remove brake disc (12) from rear axle shaft flange (15).

Loosen stuck brake discs from seat of rear axle shaft flange by light blows with a plastic hammer. Make sure that the parking brake is completely released.

Installation

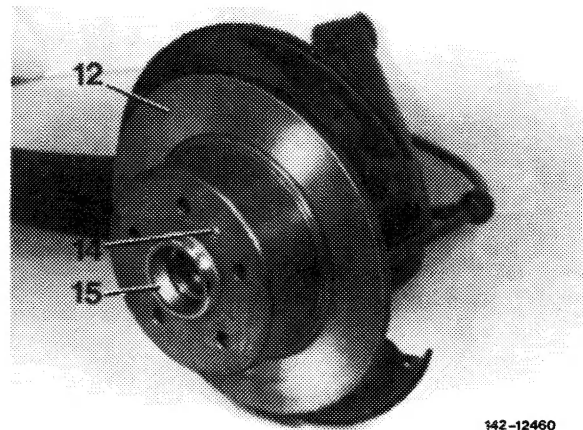
4 Coat fitted seat of rear axle shaft flange with a heat-resistant long-term lubricant (Molykote Paste „U“, Molykote Paste G Rapid, Liqui Moly Paste 36), so that the brake disc can be easily removed from rear axle shaft flange later on.

Note: Spare brake discs are protected against corrosion by means of nitrocellulose paint. For this reason, these brake discs must be cleaned with a solvent prior to installation. Make sure that safety rules are observed.

5 Place brake disc (12) on rear axle shaft flange. Make sure that the fitted pin (14) enters correctly into brake disc.

6 Attach caliper with new self-locking hex. bolt to wheel carrier. Tighten hex. bolts to 90 Nm (42–120).

Note: Self-locking hex. bolts M 12 x 30 may be used only once.



142-12460

Attention!

Prior to moving-off, operate brake pedal energetically several times to establish the correct clearance between brake disc and brake pad. Then top-up brake fluid supply in expansion tank of tandem main cylinder.

Note: If during a trial run (mainly after driving around a bend) a different pedal travel is observed, measure lateral runout of brake disc on OD. Simultaneously check rear axle shaft flanges for vertical and lateral runout and wheel bearing play in semi-trailing arm and adjust, if required (35—130).

If the lateral runout of the brake disc is too high, renew brake disc.